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HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER
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GARCIA, GABRIEL I

ART UNIT	PAPER NUMBER
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2625

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/13/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/062,973

Applicant(s)

SCHARMULLER, JOSEF

Examiner

Gabriel I. Garcia

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 06 December 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-9,11-16,18-35 and 41 is/are rejected.
- 7) ☐ Claim(s) 3,10,17 and 36-40 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

1. Claim 1 objected to because of the following informalities: \*The phrase "'file instead of to the referenced content" appears that it should change to "file instead of the referenced content". Appropriate correction is required.

**Claim Rejections - 35 USC § 102**

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-2, 4-9, 11-16, 18-35 and 41 are rejected under 35 U.S.C. 102(e) as being anticipated by Ishizuka (U.S. Patent Number 7,016,062).

Regarding claim 1, Ishizuka discloses a method of printing using a mobile device (see

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abstract and Fig. 1), comprising accessing remote content (See fig.5, which describe how the document can be access remotely from a server or website), including a document (column 3, lines 9-52), generating on the mobile device an archive file (reads on the file name of the file to be transfer as describe in col. 3, lines 46-52) containing the document (column 3, lines 9-52 and column 7, lines 35-61), transmitting a print request (reads on the print request or command send to the printer to allow the printing of a document by the printer, the wireless device and the printer use communications protocols that allow the communication between devices) to an imaging device (column 3, lines 9-52, and column 8, line 48-column 9, line 22), receiving a file request (or file transfer request as describe in col. 13, lines 9-52) from the imaging device for the archive file (column 3, lines 9-52, and column 8, line 48-column 9, line 22); and transmitting the archive file to the imaging device (column 3, lines 9-52, and column 7, lines 35-61), whereby the imaging device prints the content (column 3, lines 9-52, column 6, line 18- column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 2, Ishizuka discloses the method discussed above in claim 1, and further teaches that the print request includes a reference that indicates a location of the archive file (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 4, Ishizuka discloses the method discussed above in claim 1, and further teaches that the steps of transmitting the print request to the imaging device and transmitting the archive file to the imaging device each comprise transmitting using a

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wireless communication protocol (column 3, lines 9-52, column 6, line 1 g-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 5, Ishizuka discloses the method discussed above in claim 1, and further teaches of rendering the archive file on the imaging device to create rendered content, and printing the rendered content (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 6, Ishizuka discloses the method discussed above in claim 1, and further teaches of transmitting the archive file from the imaging device to a print service paragraphs (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22); rendering the archive file on the print service to create rendered content (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22), and transmitting the rendered content from the print service to the imaging device, whereby the imaging device prints the rendered content (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 7, Ishizuka discloses the method discussed above in claim 6, and further teaches that the archive file comprises an HTML file and wherein the print service comprises and HTML rendering engine (column 7, lines 3-61).

Regarding claim 8, Ishizuka discloses the method discussed above in claim 1, and further teaches that the remote content is located behind a firewall on a secure server that is not accessible by the imaging device (clearly the printing device does not access to the server), and the step of accessing the remote content comprises transmitting

security information from the mobile device to the secure server (column 4, lines 42-column 6, line 37).

Regarding claim 9, Ishizuka discloses a method of printing using a mobile device (see abstract and Fig. 1), comprising accessing remote content including a document (column 3, lines 9-52), generating o52 and column 7, lines 35-61), transmitting a print request to an imaging device (column 3, lines 9-52, and column 8, line 48-column 9, line 22), the print request including a reference that indicates a location of the archive file on the proxy server (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22); receiving a file request at the proxy server from the imaging device for the archive file (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22); and transmitting the archive file from the proxy server to the imaging device, whereby the imaging device prints the content (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 11, Ishizuka discloses the method discussed above in claim 9, and further teaches that the step of transmitting the print request to the imaging device comprises transmitting using a wireless communication protocol (column 3, lines 9-52, column 6, line 18- column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 12, Ishizuka discloses the method discussed above in claim 9, and further teaches that the step of generating on a proxy server an archive file further comprises generating the archive file in a format that may be rendered by the imaging

device (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 13, Ishizuka discloses the method discussed above in claim 9, and further teaches of transmitting the archive file from the imaging device to a print service paragraphs (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22); rendering the archive file on the print service to create rendered content (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22), and transmitting the rendered content from the print service to the imaging device, whereby the imaging device prints the rendered content (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 14, Ishizuka discloses the method discussed above in claim 13, and further teaches that the archive file comprises an HTML file and wherein the print service comprises an HTML rendering engine (column 7, lines 3-61).

Regarding claim 15, Ishizuka discloses the method discussed above in claim 9, and further teaches that the remote content is located behind a firewall on a secure server, and the step of accessing the remote content comprises transmitting security information from the mobile device to the secure server (column 4, lines 42-column 6, line 37).

Regarding claim 16, Ishizuka discloses a method of printing using a mobile device , comprising accessing remote content including a document (column 3, lines 9-52), generating on a proxy server an archive file containing the document (column 3, lines 9-52 and column 7, lines 35-61); transmitting a print request to an imaging device,

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receiving a file request from the imaging device for the archive file (column 3, lines 9-52, and column 8, line 48-column 9, line 22); transmitting the file request to the proxy server; receiving the archive file from the proxy server in a data stream (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22), and streaming the data stream of the archive file from the mobile device to the imaging device, whereby the imaging device prints the content (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 18, Ishizuka discloses the method discussed above in claim 16, and further teaches wherein the imaging device does not have network access capability (clearly the printing device does not need to have access to the server, information is received from the wireless device) , and wherein the step of transmitting the print request to the imaging device comprises transmitting using a wireless communication protocol (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 19, Ishizuka discloses the method discussed above in claim 16 and further teaches that the step of generating on a proxy server an archive file further comprises generating the archive file in a format that may be rendered by the imaging device (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 20, Ishizuka discloses the method discussed above in claim 16, and further teaches of transmitting the archive file from the imaging device to a print service



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paragraphs (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22); rendering the archive file on the print service to create rendered content (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22), and transmitting the rendered content from the print service to the imaging device, whereby the imaging device prints the rendered content (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22).

Regarding claim 21, Ishizuka discloses the method discussed above in claim 20, and further teaches that the archive file comprises an HTML file and wherein the print service comprises an HTML rendering engine (column 7, lines 3-61).

Regarding claim 22, Ishizuka discloses the method discussed above in claim 16, and further teaches that the remote content is located behind a firewall on a secure server, and the step of accessing the remote content comprises transmitting security information from the mobile device to the secure server (column 4, lines 42-column 6, line 37).

Regarding claim 23, Ishizuka discloses a computer program product for mobile printing (see abstract, Fig. 1, and column 4, line 49-column 5, line 19) comprising a computer readable medium comprising at least one of hardware and software, the medium including code that accesses remote content, including a document (column 3, lines 9-52), code that generates on the mobile device an archive file containing the document (column 3, lines 9-52 and column 7, lines 35-61), code that transmits a print request to an imaging device (column 3, lines 9-52, and column 8, line 48-column 9, line 22), code that receives a file request from the imaging device for the archive file

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(column 3, lines 9-52, and column 8, line 48-column 9, line 22); and code that transmits the archive file to the imaging device (column 3, lines 9-52, and column 7, lines 35-61), whereby the imaging device prints the content (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 24, Ishizuka discloses a computer program product for mobile printing (see abstract, Fig. 1, and column 4, line 49-column 5, line 19) comprising a computer readable medium comprising at least one of hardware and software, the medium including code that accesses remote content including a document (column 3, lines 9-52), code that generates on a proxy server an archive file containing the document (column 3, lines 9-52 and column 7, lines 35-61), code that transmits a print request to an imaging device (column 3, lines 9-52, and column 8, line 48-column 9, line 22), the print request including a reference that indicates a location of the archive file on the proxy server (column 3, lines 9-52, column 6, line 18-column 8, line 7, and column 8, line 48-column 9, line 22); code that receives a file request at the proxy server from the imaging device for the archive file (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22); and code that transmits the archive file from the proxy server to the imaging device, whereby the imaging device prints the content (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 25, Ishizuka discloses a computer program product for mobile printing (see abstract, Fig. 1, and column 4, line 49-column 5, line 19) comprising a computer readable medium comprising at least one of hardware and software, the

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medium including code that accesses remote content including a document (column 3, lines 9-52), code that generates on a proxy server an archive file containing the document (column 3, lines 9-52 and column 7, lines 35-61); code that transmits a print request to an imaging device, code that receives a file request from the imaging device for the archive file (column 3, lines 9-52, and column 8, line 48-column 9, line 22); code that transmits the file request to the proxy server; receiving the archive file from the proxy server in a data stream (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 4g-column 9, line 22), and code that streams the data stream of the archive file from the mobile device to the imaging device, whereby the imaging device prints the content (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 26, Ishizuka discloses the method discussed above in claim 1, and further teaches that the mobile device is used to access the remote content, transmit the print request to the imaging device, receive the file request from the imaging device for the archive file and transmit the archive file to the imaging device (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 27, Ishizuka discloses the method discussed above in claim 9, and further teaches that the mobile device is used to access the remote content and transmit the print request to the imaging device (column 3, lines 9-52, column 6, line 1g-column 7, line 61, and column 8, line 4g-column 9, line 22).

Regarding claim 28, Ishizuka discloses the method discussed above in claim 16, and

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further teaches that the mobile device is used to access the remote content, to transmit the print request to the imaging device, to receive the file request from the imaging device for the archive file, to transmit the file request to the proxy server and to receive the archive file from the proxy server in a data stream (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 29, Ishizuka discloses the product discussed above in claim 23, and further teaches that the code causes a mobile device to access the remote content, to transmit the print request to the imaging device, to receive the file request from the imaging device for the archive file and to transmit the archive file to the imaging device (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 30, Ishizuka discloses the product discussed above in claim 24, and further teaches that the code is configured to direct a mobile device to access the remote content and transmit the print request to the imaging device (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 31, Ishizuka discloses the product discussed above in claim 25, and further teaches that the code is configured to direct a mobile printing device to access the remote content, to transmit the print request to the imaging device, to receive the file request from the imaging device for the archive file, to transmit the file request to the proxy server and to receive the archive file from the proxy server in a data stream (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 32, Ishizuka discloses the method discussed above in claim 1, and further teaches that the document is a markup-language document (column 7, lines 3-61).

Regarding claim 33, Ishizuka discloses the method discussed above in claim 9, and further teaches that the document is a markup-language document (column 7, lines 3-61).

Regarding claim 34, Ishizuka discloses a method of printing using a mobile device (see abstract and Fig. 1), comprising accessing remote content (column 3, lines 9-52), generating on the mobile device an archive file containing the remote content (column 3, lines 9-52 and column 7, lines 35-61), transmitting a print request to an imaging device (column 3, lines 9-52, and column 8, line 48-column 9, line 22), receiving a file request from the imaging device for the archive file (column 3, lines 9-52, and column 8, line 48-column 9, line 22); and transmitting the archive file to the imaging device (column 3, lines 9-52, and column 7, lines 35-61), whereby the imaging device prints the content (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22), and wherein the mobile device is used to access the remote content, to transmit the print request to the imaging device, to receive the file request from the imaging device for the archive file, to transmit the file request to the proxy server and to receive the archive file from the proxy server in a data stream (column 3, lines 9-52, column 6, line 18-column 7, line 61, and column 8, line 48-column 9, line 22).

Regarding claim 35, Ishizuka discloses the archive file that contains the document further contains a referenced content file different from the document (e.g. col. 3, lines

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9-32 and col. 9, line 3-22, the referenced content file reads on the file being retrieved from the server or www).

Regarding claim 41, Ishizuka discloses the proxy server streams the data stream of the archive file to the mobile device via network communication interface, and wherein the mobile device streams the data stream of the archive file to the imaging device via a non-network communication interface (reads on figs. 1 and 3, see also col. 1, lines 42-50).

### **Conclusion**

4. Claims 3,10,17 and 36-40 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art of record does not teach or suggest the claimed invention with the features of claim 3,10, 17,38,39 or 40 in combination with the features of the independent claim 1,9,16,23,24, or 25.

5. With regard to applicant's argument that Ishizuka does not teach the archive file, the print file request, the file request, the referenced content file, the referenced image, and the data stream (see details above). Some of the arguments with respect to other claims have been persuasive and being reflected based on the objection to the some of the dependent claims.

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gabriel I. Garcia whose telephone number is (571) 272-7434. The examiner can normally be reached on Monday-Thursday , 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

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Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**Gabriel I. Garcia**  
**Primary Examiner**  
**March 4, 2007**

A handwritten signature in black ink, appearing to read "Gabriel Garcia", written over a horizontal line.

**GABRIEL GARCIA**  
**PRIMARY EXAMINER**